

**To:** Vandenberg, John[Vandenberg.John@epa.gov]; Flowers, Lynn[Flowers.Lynn@epa.gov]  
**Cc:** Moya, Jacqueline[Moya.Jacqueline@epa.gov]  
**From:** Phillips, Linda  
**Sent:** Fri 8/14/2015 12:57:08 PM  
**Subject:** RE: Sediment/Soil Recreational Screening urgent. Levels for the Animas - teleconference now  
Gold King Mine draft calcs 8-14-15-rev2.xlsx

Let's use this version.

Linda J. Phillips, Ph.D.  
National Center for Environmental Assessment  
Office of Research and Development  
U.S. Environmental Protection Agency  
Potomac Yards North, Room 7783  
Telephone: (703) 347-0366  
email: [phillips.linda@epa.gov](mailto:phillips.linda@epa.gov)  
Mailing Address:  
1200 Pennsylvania Avenue, NW (8623P)  
Washington, DC 20460

**From:** Vandenberg, John  
**Sent:** Friday, August 14, 2015 8:50 AM  
**To:** Phillips, Linda; Flowers, Lynn  
**Cc:** Moya, Jacqueline  
**Subject:** RE: Sediment/Soil Recreational Screening urgent. Levels for the Animas - teleconference now

Great! I'm looking at now, lets discuss.

I'll open my teleconference line at 9:50am so Lynn and Jackie can join us.

Nonresponsive Conference Code  code  Nonresponsive Conference Code

**From:** Phillips, Linda  
**Sent:** Friday, August 14, 2015 8:47 AM  
**To:** Vandenberg, John; Flowers, Lynn

**Cc:** Moya, Jacqueline

**Subject:** RE: Sediment/Soil Recreational Screening urgent. Levels for the Animas

John – Here is the newest version of the spreadsheet. I have made a few changes since yesterday. If you'd like me to walk you through it, I'd be happy to do that. Please give me a call.

Personal Phone/Ex. 6

Linda

Linda J. Phillips, Ph.D.  
National Center for Environmental Assessment  
Office of Research and Development  
U.S. Environmental Protection Agency  
Potomac Yards North, Room 7783  
Telephone: (703) 347-0366  
email: [phillips.linda@epa.gov](mailto:phillips.linda@epa.gov)  
Mailing Address:  
1200 Pennsylvania Avenue, NW (8623P)  
Washington, DC 20460

**From:** Vandenberg, John

**Sent:** Friday, August 14, 2015 8:43 AM

**To:** Flowers, Lynn; Moya, Jacqueline; Phillips, Linda

**Subject:** RE: Sediment/Soil Recreational Screening urgent. Levels for the Animas

## Deliberative Process/Ex. 5

What do you think?

John

**From:** Flowers, Lynn  
**Sent:** Friday, August 14, 2015 8:28 AM  
**To:** Vandenberg, John; Moya, Jacqueline; Phillips, Linda  
**Subject:** Fwd: Sediment/Soil Recreational Screening urgent. Levels for the Animas

## Deliberative Process/Ex. 5

Sent from my iPhone

Begin forwarded message:

**From:** "Burke, Thomas" <[Burke.Thomas@epa.gov](mailto:Burke.Thomas@epa.gov)>  
**Date:** August 13, 2015 at 8:45:24 PM EDT  
**To:** "Flowers, Lynn" <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>, "Vandenberg, John" <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>  
**Cc:** "Kavlock, Robert" <[Kavlock.Robert@epa.gov](mailto:Kavlock.Robert@epa.gov)>, "Smith, Kelley" <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>  
**Subject: Fwd: Sediment/Soil Recreational Screening urgent. Levels for the Animas**

See table 2. Do you understand the derivation of the soil numbers? Are they reasonable and in the ballpark with your work?

Need an answer ASAP

Tom

Thomas A. Burke, PhD, MPH

Deputy Assistant Administrator

EPA Science Advisor

Office of Research and Development

202-564-6620

[burke.thomas@epa.gov](mailto:burke.thomas@epa.gov)

Begin forwarded message:

**From:** "Keteles, Kristen" <[Keteles.Kristen@epa.gov](mailto:Keteles.Kristen@epa.gov)>

**Date:** August 13, 2015 at 7:42:38 PM EDT

**To:** "Burke, Thomas" <[Burke.Thomas@epa.gov](mailto:Burke.Thomas@epa.gov)>

**Cc:** "McGrath, Shaun" <[McGrath.Shaun@epa.gov](mailto:McGrath.Shaun@epa.gov)>

**Subject: Sediment/Soil Recreational Screening Levels for the Animas**

Hi Dr. Burke,

Shaun asked me to send you the document containing the Recreational Screening Levels that Regions 6, 8, and 9 agreed upon during the Environmental Unit Call yesterday. Screening levels were developed for both surface water as well as exposure to soil/sediment for recreational receptors (hikers/backpackers/rafters). Please see table 2 in the attached document for the sediment/soil recreational screening levels.

Kristen Keteles

Kristen Keteles, Ph.D.

Toxicologist

EPA Region 8

Denver CO

(303) 330-2275

